

NEXT-GENERATION SpeedMaster™ 10G high-speed contacts



8581-0001 Preterminated Contact Jumper



Technical Data

Specifications

- Operating temperature: -65°C to +200°C (SpeedMaster) or -40°C to +85°C (RJ45)
- Meets EIA/TIA 568C.2-10 and IEC 60603-7-51 Cat 6A 500 MHz
- Characteristic Impedance: 100 ohms
- Insulation resistance: 200 megohms min.
- Durability: 500 mating cycles

SpeedMaster Construction

- Isolator body:** copper alloy/electroless nickel
- Contacts:** copper alloy, gold plated
- Retention ferrule and shield ferrule:** copper alloy/electroless nickel
- Insulator:** rigid plastic/N.A.
- O-rings/grommets:** fluorosilicone blend/N.A.

RJ45 Construction

- Body:** UL 94-V0 polycarbonate
- Grommet:** UL 94-V0 polycarbonate
- Contacts:** copper alloy, 50 microinches selective gold plating
- Shield:** nickel-plated copper alloy

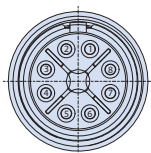
Connector Compatibility

- Glenair 824-009 and -010 Mighty Mouse
- Glenair 7925-001 thru 7925-010 micro-crimp
- Glenair 233-219 SuperNine
- Glenair 707-0407, -0408, and -0409 Series 707 SeaKing

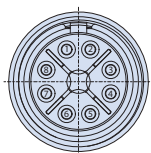
Notes

- 100% tested for continuity, DWV and IR.
- Not available in pin to pin or socket to socket configurations..

Contact Positions



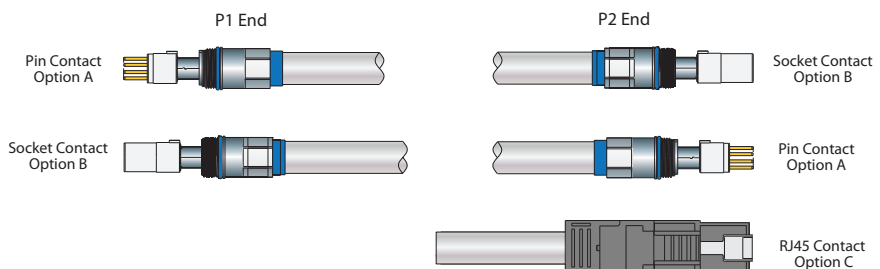
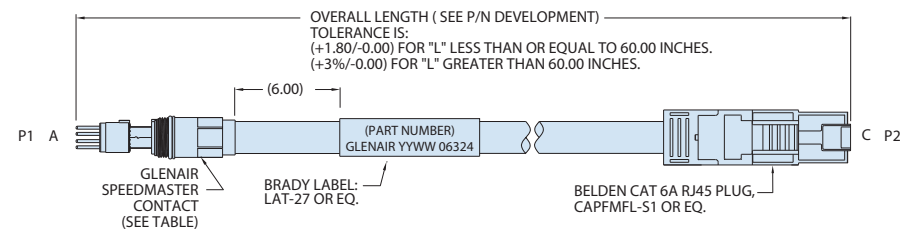
Mating Face
of Pin Contacts



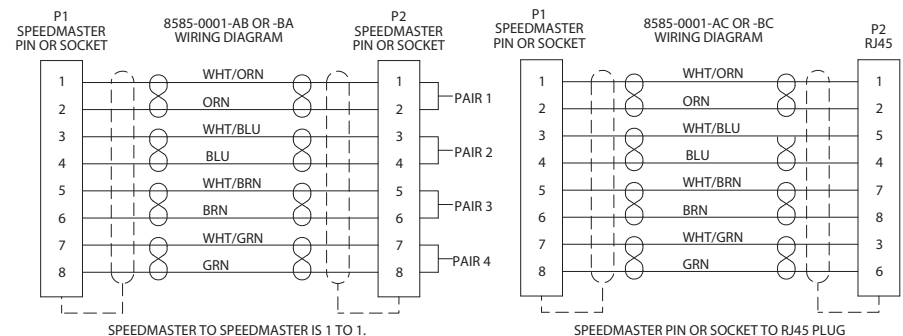
Mating Face
of Socket Contacts

Part Number Development

Sample Part Number	8585-0001	-X	X	-1	-XX
Product	8585-0001				
P1 Contact Code	-A = 858-101-X SpeedMaster pin -B = 858-100-X SpeedMaster socket				
P2 Contact Code	A = SpeedMaster pin B = SpeedMaster socket C = RJ45 plug N = No connector				
Cable Type	-1 = 963-066-24 -2 = 963-066-26	-3 = 963-066-28 -4 = 963-075-24			
Length In Inches	Overall length in inches (Min Length: 12.00 Inches)				



8585-0001 CABLE ASSEMBLY

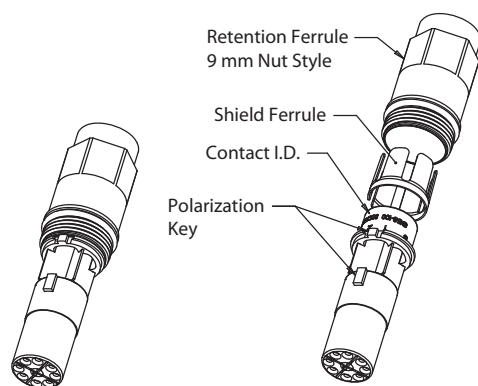


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858-100 and 858-101, 10GBASE-T Cat 6A Contacts

858-100 SPEEDMASTER SOCKET MODULE



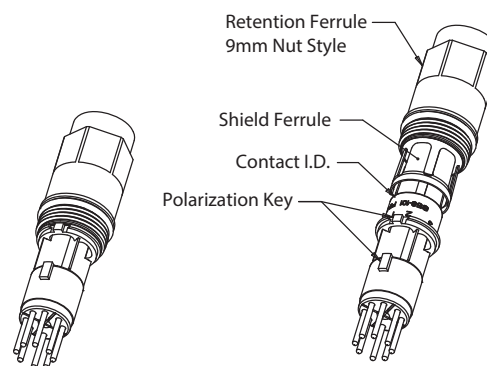
858	-100	-1
Product Code	Basic No	See Cable Size Table

Cable Size	
Cable Size	Cable Ø
0*	.305 (7.75) Max
1	.280 (7.11)
2	.270 (6.86)
3	.260 (6.60)
4	.250 (6.35)
5	.240 (6.10)
6	.230 (5.84)
7	.220 (5.59)

*0 does not seal on the cable

Speedmaster™ Module Inner Contact Pinout		Pin Out	
		Location	Color
 SOCKET MODULE FACE 858-100	 PIN MODULE FACE 858-101	1	Orng/Wht
		2	Orange
		3	Blu/Wht
		4	Blue
		5	Brwn/Wht
		6	Brown
		7	Grn/White
		8	Green

858-101 SPEEDMASTER PIN MODULE



858	-101	-1
Product Code	Basic No	See Cable Size Table

SPEEDMASTER CONTACT ASSEMBLY MATERIAL/FINISH

- IMPORTANT: SpeedMaster high-speed modules can only be installed in Glenair SpeedMaster series connectors.**
- High-speed module is designed to accommodate cable with wire insulation up to Ø.055 inches and cable jackets up to Ø.305 inches. See cables table for suggest list.
- See Cables table for suggestions.
- See AI85082 for assembly instructions
- Tools Needed:
 - M39029/57-354 socket contacts:
 - Basic tool M22520/2-01 (Glenair P/N 809-015)
 - Positioner M22520/2-06 (Glenair P/N 859-019)
 - Spare socket contacts: M39029/57-34
 - M39029/58-360 pin contacts:
 - Basic tool M22520/2-01 (Glenair P/N 809-015)
 - Positioner M22520/2-09 (Glenair P/N 859-018)
 - Spare pin contacts: M39029/58-360
- Material/Finish
 - Isolator body - copper alloy / electroless nickel.
 - Contacts - copper alloy / gold plated
 - Retention ferrule - copper alloy / electroless nickel.
 - Inner shield ferrule: copper alloy / electroless nickel.
 - Insulators - rigid dielectric / N.A.
 - O-rings/grommets - fluorosilicone blend / N.A.

Cables*						
Cable P/N	Cable Category	Cable Construction	Wire Gage	Cable Ø	Cable Size	Assembly Instructions
963-066-24	Cat 6A	S/FTP	24	.260 (6.60)	2	AI85082
963-066-26	Cat 6A	S/FTP	26	.238 (6.05)	5	
963-075-24	Cat 6A	SF/UTP	24	.265 (6.73)	2	

*Consult factory for use with other cable